

TERMINAL BLOCK TPRI 230V SCREW TERM.  
 Connection module TPRI with relay 230 V AC, Output 8 NO contacts  
 24V DC/0.05 A Type: Screw terminal with LED, VPE=1 unit 16 pole  
 IDC connection for cable



Target system	SIMATIC S7-300 / 1500
Suitability for use	Digital input module
Product type designation	Fully modular connection
Product designation	Connection module

Operating data	
Operating voltage	
• rated value	50 V
• at AC / Rated value	230 V
Current / rated value	1 A
Continuous current / at DC / per signal cable / maximum	0.05 A
Switching capacity current / of the contacts / with resistive load / maximum	0.05 A; for 24V AC; recommended minimal load larger than 5mA
Operating temperature	0 ... 60 °C
Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
Number of terminal levels	1
Number of terminal points / per terminal level	1

Number of terminals	20; 8 x I x 2; 2 x L+, 2 x M
Type of connecting terminal	Screw-type terminal
Type of electrical connection / for actuators and sensors	Screw-type terminal
Position / of the terminal	Top
Design of LED initiator/actuator terminal	Screw-type terminal
Width of screwdriver blade	3.5 mm
Tightening torque / with screw-type terminals	0.4 ... 0.5 N·m
Design of terminal / Terminal levels internally linked	No
Product component	
• PE connection	No
• Shield connection	No
• Disconnecter	No
• required / connection plate	No
Product feature / Infeed function	Yes
Product feature / cross-connectable	No
Relay design	For input signals
Type of switching contact	Single contact, NO contact
Number of relay outputs	8
Mechanical service life (switching cycles) / typical	10 000 000
Electrical endurance (switching cycles) / typical	3 000 000; for AC 230 V/50 mA/Cos phi = 1
Operating frequency / maximum	8.33 1/s
Product component / protective wiring	No
Number of cables / per connection	2; Connection for internal system: Combination of 1 or 2 Wires until the sum total of cross sections be achieved in a ferrule.
Type of connectable conductor cross-sections / solid	No
Connectable conductor cross-section	
• for flexible conductor / with core end processing	0.5 ... 2.5 mm <sup>2</sup> ; End sleeve according to DIN 46228/1
• stranded	0.5 ... 2.5 mm <sup>2</sup>
• finely stranded / with core end processing	0.5 ... 2.5 mm <sup>2</sup>
Number of poles / at the 1st interface	16; the IDC connector for the connection cable
Type of electrical connection / for connecting cable	Plug-in connection
number of the plug contacts / of the electrical connection	1
Wire length / maximum	30 m; between front connector module and Connection module

General data	
Mounting type	DIN rail 35 mm, DIN rail 15 mm
Installation or assembly note	any
Mounting position	any
Degree of pollution	2
Overvoltage category	2
Combustibility class acc. to UL 94	V1
Insulation material	other

Design tested acc. to type of protection / EEx e	No
Certificate of suitability / cULus approval	Yes
Reference code / acc. to DIN EN 81346-2	X
Color	
• of the enclosure	grey
• of the light source	other
Length	76 mm
Height / of the enclosure	76 mm
Width / of the enclosure	130 mm
Depth / of the enclosure	60 mm
Height / with lowest-profile installation	60 mm
Net weight	0.36 kg